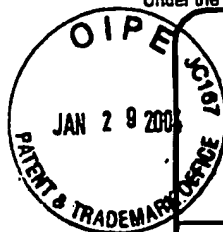


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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 6

### Complete if Known

Application Number	10/607,580
Filing Date	June 26, 2003
First Named Inventor	Nicholas Grippi
Group Art Unit	1632 1651
Examiner Name	Not Yet Assigned HANLEY
Attorney Docket Number	015445-9002-01

### U.S. PATENT DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
SMA		3,939,822		Markowitz	02-24-1976	
		4,861,477		Kimura	08-29-1989	
		5,030,215		Morse et al.	07-09-1991	
		5,037,549		Ballies	08-06-1991	
		5,165,938		Knighton	11-24-1992	
		5,354,483		Furse	10-11-1994	
		5,389,265		Luoma, II	02-14-1995	
		5,455,009		Volger et al.	10-03-1995	
		5,560,830		Coleman et al.	10-01-1996	
		5,578,459		Gordon et al.	11-26-1996	
		5,585,007		Antanavich et al.	12-17-1996	
		5,599,718		Gorog	02-04-1997	
		5,634,474		Grippi	06-03-1997	
		5,634,893		Rishton	06-03-1997	
		5,674,458		Holm	10-07-1997	
SMA		5,733,545		Hood, III	03-31-1998	
		5,736,033		Coleman et al.	04-07-1998	
		5,738,670		Grippi	04-14-1998	
		6,063,297		Antanavich et al.	05-16-2000	
		6,368,298		Beretta	04-09-2002	

### FOREIGN PATENT DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Ts
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
SMA		EP	0 580 094 A1		Becton Dickinson	01-26-1994		
		EP	0 592 242 A1		E.R. Squibb & Sons	04-13-1994		
		JP	2504915		Becton Dickinson	05-07-1994		
		WO	94/22503		Opperbas Holding	10-13-1994		
		WO	95/12371		Clarion Pharm.	05-11-1995		
		WO	96/17871		Plasmaseal Corp.	06-13-1996		
		WO	96/27397		Quantic Biomedical	09-12-1996		
		EP	0 740 155 A1		Becton Dickinson	10-30-1996		
		EP	0 512 612 B1		Becton Dickinson	02-04-1998		
		WO	98/58689		Beretta	12-30-1998		

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Date  
Considered

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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**Complete if Known**

Application Number	10/607,580
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<b>Filing Date</b>	<b>June 26, 2003</b>
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<b>First Named Inventor</b>	<b>Nicholas Grippi</b>
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Group Art Unit	1633	1657
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Examiner Name	Not Yet Assigned <i>HANLEY</i>
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**Attorney Docket Number** | 015445-9002-01

Sheet 2 of 6

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Signature**

**Date Considered**

12/9/85

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 of 6

### Complete if Known

Application Number 10/607,580

Filing Date June 26, 2003

First Named Inventor Nicholas Grippi

Group Art Unit 1632 1657

Examiner Name Not Yet Assigned

Attorney Docket Number 015445-9002-01

### U.S. PATENT DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
SMA		3,604,410		Whitacre	09-14-1971	
		4,050,451		Columbus	09-27-1977	
		4,091,802		Columbus	05-30-1978	
		D253,190		Bixler et al.	10-16-1979	
		4,322,298		Persidsky	03-30-1982	
		4,342,341		Lee	08-03-1982	
		4,356,958		Kolobow et al.	11-02-1982	
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		5,246,666		Vogler et al.	09-21-1993	
		5,257,633		Vogler et al.	11-02-1993	
		5,322,515		Karas et al	06-21-1994	

### FOREIGN PATENT DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Ts
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 4 of 6

### Complete if Known

Application Number	10/607,580
Filing Date	June 26, 2003
First Named Inventor	Nicholas Grippi
Group Art Unit	1632 1651
Examiner Name	Not Yet Assigned HAWLEY
Attorney Docket Number	015445-9002-01

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
S.M.G.		5,326,535		Vogler et al.	07-05-1994	
		5,378,431		Vogler et al.	01-03-1995	
		5,413,246		Godolphin et al.	05-09-1995	
		5,455,009		Vogler et al.	10-03-1995	
		5,456,885		Coleman et al.	10-10-1995	
		5,533,518		Vogler	07-09-1996	
		5,555,920		Godolphin et al.	09-17-1996	
		5,588,946		Graham et al.	12-31-1996	
		5,634,474		Grippi	06-03-1997	
		5,643,192		Hirsh et al.	07-01-1997	
		5,738,670		Grippi	04-14-1998	
		5,772,643		Howell et al.	06-30-1998	
		5,935,051		Bell	08-10-1999	
		6,234,948 B1		Yavilevich	05-22-2001	
		6,238,578 B1		Fiehler	05-29-2001	
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### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

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*S. Hawley*

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**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet 5 of 6

**Complete if Known**

Application Number	10/607,580
Filing Date	June 26, 2003
First Name Inventor	Nicholas Grippi
Group Art Unit	1632 HANLEY
Examiner Name	Not Yet Assigned 1651
Attorney Docket Number	015445-9002-01

**U.S. PATENT DOCUMENTS**

Examiner Initials	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document
SMA	5,185,001	Galanakis	02/09/1993
SMA	5,739,288	Edwardson, et al.	04/14/1998
SMA	5,763,410	Edwardson, et al.	06/09/1998
SMA	5,962,420	Edwardson, et al.	10/05/1999
SMA	6,083,383	Huang, et al.	07/04/2000

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Country Code	Foreign Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Translation	English Abstract
	WO	98/11925	Tarantino, et al.	3/26/1998		

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Examiner Signature		Date Considered	12/9/05
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Application Number	10/607,580
Filing Date	June 26, 2003
First Named Inventor	Nicholas Grippi
Group Art Unit	1362 / 651
Examiner Name	Not Yet Assigned / <i>hann/LC</i>
Attorney Docket Number	015445-9002-01

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Sheet 6 of 6

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

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<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

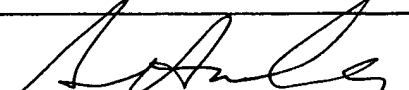
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Substitution of Form 1449/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> APR 08 2004 (use as many sheets as necessary)		<b>Complete if Known</b>	
Application Number		10/607,580	
Filing Date		June 26, 2003	
First Name Inventor		Nicholas A. Grippi	
Group Art Unit		1632- 1651	
Examiner Name		Not Yet Assigned HANLEY	
Attorney Docket Number		015445-9002-01	
Sheet	1	of	1

U.S. PATENT DOCUMENTS			
Examiner Initials	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document
SMA	6,010,627	Hood, III	1/4/2000

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Country Code	Foreign Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Translation	English Abstract

Examiner Signature		Date Considered	12/9/05
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				Application Number	10/607,580
				Filing Date	June 26, 2003
				First Named Inventor	Nicholas A. Grippi
				Group Art Unit	1632 1651
				Examiner Name	Not Yet Assigned HANLEY
Sheet	1	of	1	Attorney Docket Number	015445-9002-01

U.S. PATENT DOCUMENTS				
Examiner Initials		U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document
MA		5,419,835	Adams, et al.	5/30/1995
MA		5,853,600	McNeal, et al.	12/29/1998

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Country Code	Foreign Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Translation	English Abstract

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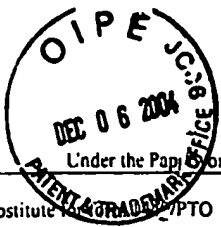
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/607,580
				Filing Date	June 26, 2003
				First Named Inventor	Nicholas A. Grippi
				Group Art Unit	1632 1651
				Examiner Name	Not Yet Assigned HANEY
Sheet	1	of	1	Attorney Docket Number	015445-9002-01

**U.S. PATENT DOCUMENTS**

Examiner Initials	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document
SW	3,654,925	Holderith, William J.	4/11/1972
SW	5,736,033	Coleman et al.	4/7/1998
SW	6,225,123	Cohen et al.	5/1/2001

**FOREIGN PATENT DOCUMENTS**

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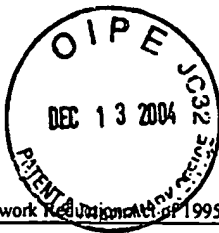
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 6

### Complete if Known

Application Number	10/607,580
Filing Date	June 26, 2003
First Named Inventor	Nicholas A. Grippi
Group Art Unit	1632 1651
Examiner Name	Not Yet Assigned HANLEY
Attorney Docket Number	015445-9002-01

### U.S. PATENT DOCUMENTS

Examiner Initials	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document
SM	1,593,814	Vogel	7/27/1926
SM	4,485,096	Bell	11/27/1984

### FOREIGN PATENT DOCUMENTS

Examiner Initials	Country Code	Foreign Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Translation	English Abstract

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				Application Number	10/607,580
				Filing Date	June 26, 2003
				First Named Inventor	Nicholas A. Grippe, Jr.
				Group Art Unit	1632-1651
Examiner Name	Not Yet Assigned <b>HANLEY</b>				
Sheet	2	of	6	Attorney Docket Number	015445-9002-01

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SMA	Franklin JD, Lynch JB, "Effects of topical application of epidermal growth factor on wound healing", <i>Plastic and Reconstructive Surgery</i> , December, 1979, pgs. 766-770.
	Buckley A, Davidson JM, "Sustained release of epidermal growth factor accelerates wound repair", <i>Proceeding National Academy Science USA</i> , Vol. 82, pgs. 7340-7344, November 1985.
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SMA	Carroll RC, Gerrard JM, "Clot retraction facilitates clot lysis", <i>Blood</i> , Vol. 57, No. 1, pgs. 44-48, January 1981.

Examiner Signature		Date Considered	12/9/05
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Substitute for form 1449B/PTO			<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			Application Number	10/607,580	
			Filing Date	June 26, 2003	
			First Named Inventor	Nicholas A. Gripps.i	
			Group Art Unit	1632- 1631	
			Examiner Name	Not Yet Assigned HANLEY	
Sheet	3	of	6	Attorney Docket Number	015445-9002-01

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SA	Joist JH, Niewiarowski S, "Retention of platelet fibrin stabilizing factor during the platelet release reaction and clot retraction", <i>Thrombos. Diathes. Haemorrh.</i> , Vol. 29, pgs. 679-683, 1973.
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Examiner Signature	<i>A Hanley</i>	Date Considered	12/9/05
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				Application Number	10/607,580
				Filing Date	June 26, 2003
				First Named Inventor	Nicholas A. Grippe, Jr.
				Group Art Unit	1632 — 1651
				Examiner Name	Not Yet Assigned <b>HANLEY</b>
Sheet	4	of	6	Attorney Docket Number	015445-9002-01

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<b>SM</b>	Knighton DR, Hunt TK, "Role of platelets and fibrin in the healing sequence: an in vivo study of angiogenesis and collagen synthesis", <i>Annals of Surgery</i> , Vol. 196, No. 4, pgs. 379-388, October 1982.
<b>SM</b>	Doni MG, Fantin G, "Thrombin-induced calcium and magnesium platelet release and clot retraction", <i>Haematologica</i> , Vol. 60, No. 3, pgs. 286-299, September 1975.
<b>SM</b>	Jelenska M, Kopec M, "Blood platelets cause retraction of collagen gel", <i>Thrombosis and Haemostasis</i> , Vol. 44, No. 3, pgs. 161-164, 1980.
	<del>Table Of Contents, Thrombosis et Diathesis Haemorrhagica</del> <b>no date, publisher page number</b>
<b>SM</b>	Lundblad RL, "A rapid method for the purification of bovine thrombin and the inhibition of the purified enzyme with phenylmethylsulfonyl fluoride", <i>Biochemistry</i> , Vol. 10, No. 13, pgs. 2501-2506, June 22, 1971.
<b>SM</b>	Chao FC, Tullis JL, "Concentration effects of platelets, fibrinogen and thrombin on platelet aggregation and fibrin clotting", <i>Thromb Diathes Haemorrh</i> , Vol. 32, No. 1, September 30, 1974.
<b>SM</b>	Solum, "Platelet aggregation during fibrin polymerization", <i>Scandinavian Journal of Clinical &amp; laboratory Investigation</i> , Vol. 18, No. 6, pgs. 577-587, 1966.
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Examiner Signature		Date Considered	12/9/05
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Application Number	10/607,580
				Filing Date	June 26, 2003
				First Named Inventor	Nicholas A. Gripps.i
				Group Art Unit	1632- 1651
				Examiner Name	Not Yet Assigned HANLEY
Sheet	5	of	6	Attorney Docket Number	015445-9002-01

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

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SMA	Mustard JF, Perry DW, "Factors responsible for ADP-induced release reaction of human platelets", <i>American Journal of Physiology</i> , Vol. 228, No. 6, June 1975.
	Day HJ, Ang G, "Platelet release reaction during clotting of native human platelet-rich plasma", <i>Proceedings of the Society of Experimental and Biological Medicine</i> , Vol. 139, No. 3, pgs. 717-21, March 1972.
	Niewiarowski S, Stewart GJ, "ADP, thrombin and Bothrops atrox thrombin like enzyme in platelet-dependent fibrin retraction", <i>American Journal of Physiology</i> , Vol. 229, No. 3, pgs. 737-745, September 1975.
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Examiner Signature	<i>[Signature]</i>	Date Considered	12/9/05
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			Application Number	10/607,580	
			Filing Date	June 26, 2003	
			First Named Inventor	Nicholas A. Gripgs.i	
			Group Art Unit	1632 1651	
			Examiner Name	Not Yet Assigned <i>WATANLEY</i>	
Sheet	6	of	6	Attorney Docket Number	015445-9002-01

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

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<i>SN</i>		Rosenthal AR, Harbury C, "Use of a platelet-fibrinogen-thrombin mixture as a corneal adhesive: experiments in sutureless lamellar keratoplasty in the rabbit", <i>Investigative Ophthalmology</i> , Vol. 14, No. 11, pgs. 872-75, November 1975.
		Schulte W, "Centrifuged autologous blood for filling large bone defects: a modification to the autologous blood method", <i>Zentrifugiertes Eigenblut (Centrifuged Autologous Blood) DZZ 24</i> , Vol. 10, pgs. 854-57, 1969.
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		Silverberg GD, Harbury CB, "A physiological sealant for cerebrospinal fluid leaks", <i>Journal of Neurosurgery</i> , Vol. 46, pgs. 215-19, February 1977.
<i>SN</i>		Pearl RM, Wustrack KO, "Microvascular Anastomosis using a blood product sealant-adhesive", <i>Surgery, Gynecology &amp; Obstetrics</i> , Vol. 144, pgs. 227-31, February 1977.

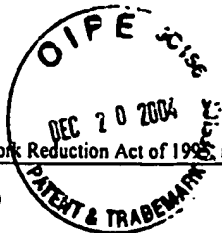
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**Complete if Known**

Application Number	10/607,580
Filing Date	June 26, 2003
First Named Inventor	Nicholas A. Grippi
Group Art Unit	1632 1651
Examiner Name	Not Yet Assigned HANLEY
Attorney Docket Number	015445-9002-01

Sheet	1	of	2
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**U.S. PATENT DOCUMENTS**

Examiner Initials	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document
SAH	6,569,204	Aldecoa	5/27/2003

**FOREIGN PATENT DOCUMENTS**

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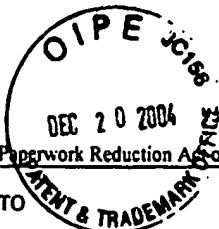
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<b>Substitute for form 1449B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/607,580
				Filing Date	June 26, 2003
				First Named Inventor	Nicholas A. Grippi
				Group Art Unit	1632-1651
				Examiner Name	Not Yet Assigned <i>HANLEY</i>
Sheet	2	of	2	Attorney Docket Number	015445-9002-01

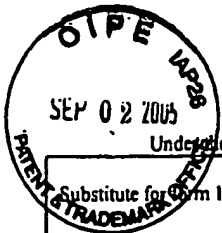
**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

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<i>EMA</i>		BERNSTEIN, LORI R., et al., "Migration of Cultured Vascular Cells in Response to Plasma and Platelet-Derived Factors", Departments of Physiology and Surgery, Harvard Medical School, Children's Hospital Medical Center, J. Cell Sci. 56, 1982, pgs. 71-82.
		ZETTER, BRUCE R., et al., "Stimulation of Human Vascular Endothelia Cell Growth by a Platelet Derived Growth Factor and Thrombin", Journal of Supramolecular Structure 11, 1979, pgs. 361-370.
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		SENIOR, ROBERT, M., "Chemotactic Activity of Platelet Alpha Granule Proteins for Fibroblasts", The Journal of Cell Biology, vol. 96, February 1983, pgs. 382-385.
<i>DR</i>		GOSPODAROWICZ, DENIS, "Humoral Control of Cell Proliferation: The Role of Fibroblast Growth Factor in Regeneration, Angiogenesis, Wound Healing, and Neoplastic Growth", Department of Molecular Endocrinology, Salk Institute for Biological Studies, San Diego, California, 1976, pgs. 1-19.

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/607,580
Filing Date	June 26, 2003
First Named Inventor	Nicholas A. Grippi
Group Art Unit	1632 1651
Examiner Name	Not Yet Assigned HANLEY
Attorney Docket Number	015445-9002-01

Sheet	1	of	1
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## U.S. PATENT DOCUMENTS

Examiner Initials	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document
GA	5,795,571	Cederholm-Williams, et al.	8/18/1998

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Country Code	Foreign Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Translation	English Abstract

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